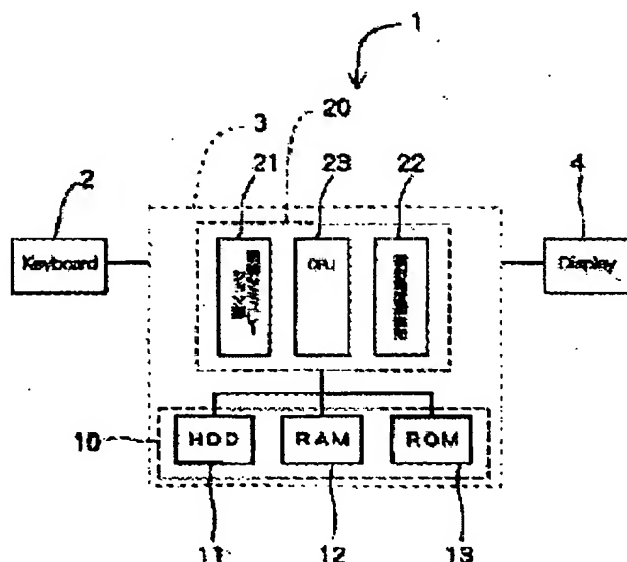


DEVICE AND METHOD FOR SIMULATING FUEL JET AND COMPUTER READABLE RECORDING MEDIUM WITH RECORDED FUEL JET SIMULATION PROGRAM**Publication number:** JP2002163305**Publication date:** 2002-06-07**Inventor:** KOIE KAZUTOSHI; SATO TAKAAKI; OKAMOTO ATSUYA**Applicant:** DENSO CORP**Classification:****- International:** G06F17/50; G06F17/50; (IPC1-7): G06F17/50**- European:****Application number:** JP20000363133 20001129**Priority number(s):** JP20000363133 20001129

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Abstract of JP2002163305

PROBLEM TO BE SOLVED: To provide a device and a method for simulating fuel jet and a computer readable recording medium with recorded fuel jet simulation program, with which the form of a fuel spray is calculated corresponding to an atmosphere in which a jet of fuel is emitted. **SOLUTION:** When arithmetic timing in a fuel jet simulation corresponds to the jetting period of fuel, in a jetting angle operating part 22, the density of gases existent around a jetting hole is calculated. A form coefficient (n) specifying the spray form of fuel is determined from the calculated density. In the jetting angle operating part 22, the jetting angle of fuel is calculated by using the determined form coefficient (n). The jetting angle is calculated concerning drops of liquid comprising the spray and in a spray simulation part 21, the spray form of fuel is calculated by using the calculated jetting angle and design data close to the jetting hole of an injector. The calculated spray form is displayed on a display 4.



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